

a' sub C1  
--9. A purified polynucleotide derived from a BS203 nucleic acid molecule, wherein said polynucleotide has at least 50% identity with a sequence selected from the group consisting of SEQUENCE ID NOS 1-14, and fragments or complements thereof.

10. The polynucleotide of claim 9, wherein said polynucleotide specifically hybridizes to a BS203 nucleic acid sequence.

11. The polynucleotide of claim 9, wherein said polynucleotide has an overall length of about 20 to about 50 nucleotides.

12. The polynucleotide of claim 9, wherein said polynucleotide has an overall length of about 15 to about 20 nucleotides.

13. The polynucleotide of claim 9, wherein said polynucleotide is produced by recombinant techniques.

14. The polynucleotide of claim 9, wherein said polynucleotide is produced by synthetic techniques.

sub C2  
15. The polynucleotide of claim 9, wherein said polynucleotide comprises a sequence encoding at least one BS203 epitope.

16. The polynucleotide of claim 9, wherein said polynucleotide is attached to a solid phase.

sub C3  
17. The polynucleotide of claim 9, wherein said polynucleotide codes for a BS203 protein which comprises an amino acid sequence having at least 50% identity to SEQUENCE ID NO 17.

18. The polynucleotide of claim 9, wherein said polynucleotide comprises DNA having at least 50% identity with SEQUENCE ID NO 14.

19. A recombinant expression system comprising a nucleic acid sequence that includes an open reading frame derived from a BS203 polynucleotide, wherein said open reading frame is operably linked to a control sequence compatible with a desired host, and said nucleic acid sequence has at least 50% identity with a sequence selected from the group consisting of SEQUENCE ID NOS 1-14, and fragments or complements thereof.

20. A cell transfected with the recombinant expression system of claim 19.

21. A BS203 polypeptide having at least 50% identity with an amino acid sequence selected from the group consisting of SEQUENCE ID NO 17, SEQUENCE ID NO 18, SEQUENCE ID NO 19, SEQUENCE ID NO 20, SEQUENCE ID NO 21, and fragments thereof.

22. The polypeptide of claim 21, wherein said polypeptide is produced by recombinant techniques.

23. The polypeptide of claim 21, wherein said polypeptide is produced by synthetic techniques.

24. A method for producing a polypeptide comprising at least one BS203 epitope, said method comprising incubating host cells that have been transfected with an expression vector containing a polynucleotide sequence encoding a polypeptide, wherein said polypeptide comprises an amino acid sequence having at least 50% identity with an amino acid sequence selected from the group consisting of SEQUENCE ID NO 17, SEQUENCE ID NO 18, SEQUENCE ID NO 19, SEQUENCE ID NO 20, SEQUENCE ID NO 21, and fragments thereof.--